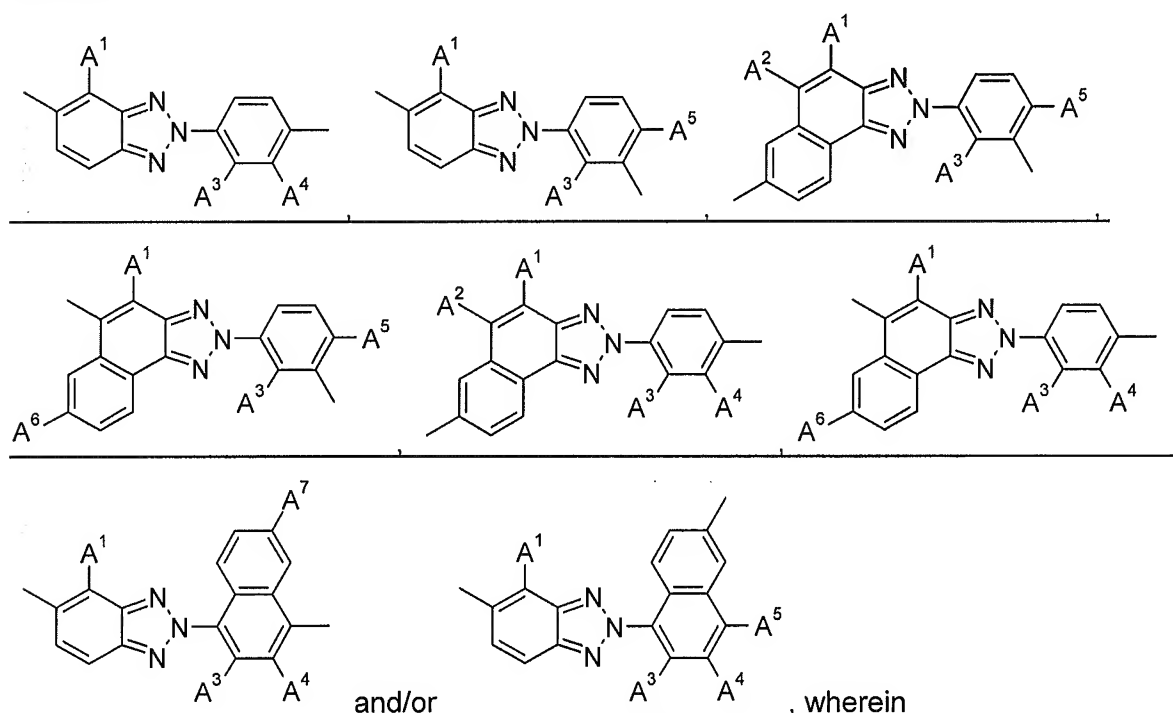


In the claims:

1-4. (cancelled)

5. (currently amended) A co-polymer according to claim 1, comprising a first repeating unit of the formula



A¹ is hydrogen, or C₁-C₁₈alkyl,

A² is hydrogen, or C₁-C₁₈alkyl,

A³ is hydrogen, or C₁-C₁₈alkoxy, or C₁-C₁₈alkyl,

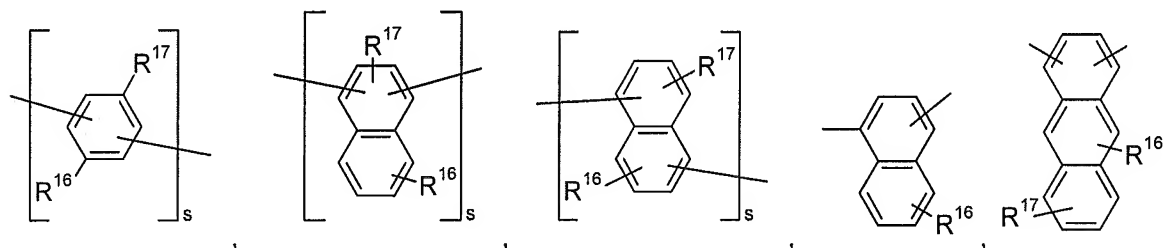
A⁴ is hydrogen, or C₁-C₁₈alkyl,

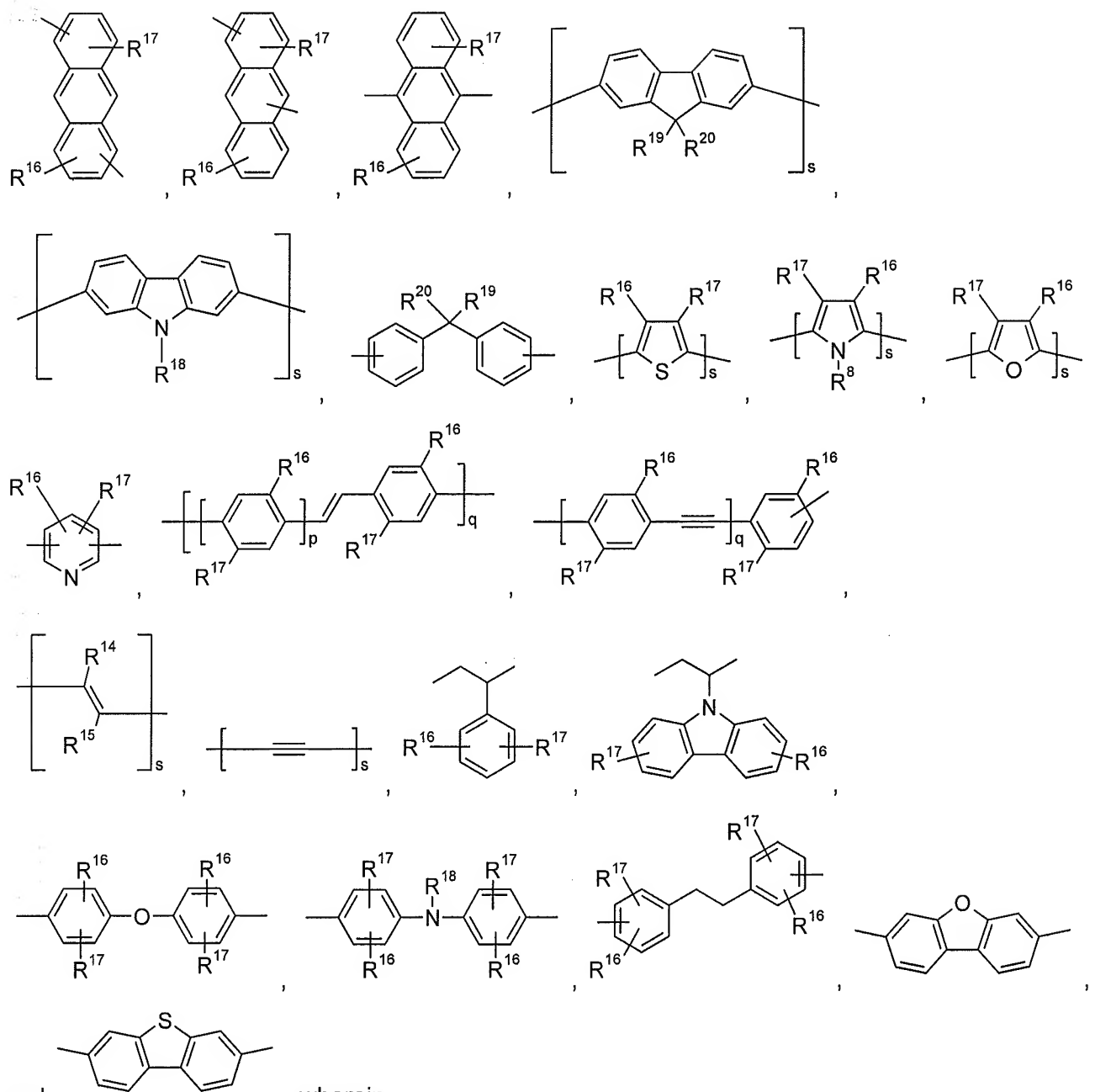
A⁵ is hydrogen, C₁-C₁₈alkyl, di(C₁-C₁₈alkyl)amino, or C₁-C₁₈alkoxy,

A⁶ is hydrogen, or C₁-C₁₈alkyl,

A⁷ is hydrogen, C₁-C₁₈alkyl or C₁-C₁₈alkoxy,

comprising and an additional repeating unit T which is selected from the group consisting of





p is an integer from 1 to 10,

q is an integer from 1 to 10,

s is an integer from 1 to 10,

R^{14} and R^{15} are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by G, or C_2 - C_{20} heteroaryl, C_2 - C_{20} heteroaryl which is substituted by G,

R^{16} and R^{17} are independently of each other H, C_1 - C_{18} alkyl, C_1 - C_{18} alkyl which is substituted by E and/or interrupted by D, C_6 - C_{24} aryl, C_6 - C_{24} aryl which is substituted by G, C_2 - C_{20} heteroaryl, or C_2 -

C₂₀heteroaryl which is substituted by G, C₂-C₁₈alkenyl, C₂-C₁₈alkynyl, C₁-C₁₈alkoxy, C₁-C₁₈alkoxy which is substituted by E and/or interrupted by D, C₇-C₂₅aralkyl, or -CO-R²⁸,

R¹⁸ is H; C₆-C₁₈aryl; C₆-C₁₈aryl which is substituted by C₁-C₁₈alkyl, or C₁-C₁₈alkoxy; C₁-C₁₈alkyl; or C₁-C₁₈alkyl which is interrupted by -O-;

R¹⁹ and R²⁰ are independently of each other C₁-C₁₈alkyl, C₁-C₁₈alkyl which is substituted by E and/or interrupted by D, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by G, C₂-C₂₀heteroaryl, C₂-C₂₀heteroaryl which is substituted by G, C₂-C₁₈alkenyl, C₂-C₁₈alkynyl, C₁-C₁₈alkoxy, C₁-C₁₈alkoxy which is substituted by E and/or interrupted by D, or C₇-C₂₅aralkyl, or

R¹⁹ and R²⁰ together form a group of formula =CR¹⁰⁰R¹⁰¹, wherein

R¹⁰⁰ and R¹⁰¹ are independently of each other H, C₁-C₁₈alkyl, C₁-C₁₈alkyl which is substituted by E and/or interrupted by D, C₆-C₂₄aryl, C₆-C₂₄aryl which is substituted by G, C₂-C₂₀heteroaryl, or C₂-C₂₀heteroaryl which is substituted by G, or

R¹⁹ and R²⁰ form a ring, which can optionally be substituted, and

D, E and G are as defined in claim 2

D is -CO-; -COO-; -S-; -SO-; -SO₂-; -O-; -NR²⁵-; -SiR³⁰R³¹-; -POR³²-; -CR²³=CR²⁴-; or -C≡C-; and

E is -OR²⁹; -SR²⁹; -NR²⁵R²⁶; -COR²⁸; -COOR²⁷; -CONR²⁵R²⁶; -CN; -OCOOR²⁷; or halogen; G is E, or C₁-C₁₈alkyl, wherein

R²³, R²⁴, R²⁵ and R²⁶ are independently of each other H; C₆-C₁₈aryl; C₆-C₁₈aryl which is substituted by C₁-C₁₈alkyl, or C₁-C₁₈alkoxy; C₁-C₁₈alkyl; or C₁-C₁₈alkyl which is interrupted by -O-; or

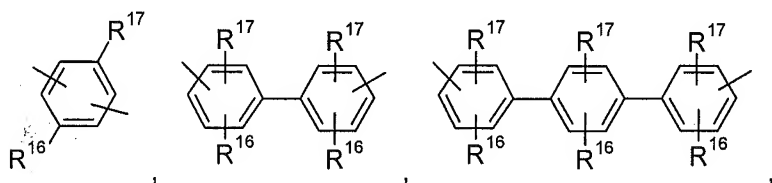
R²⁵ and R²⁶ together form a five or six membered ring, R²⁷ and R²⁸ are independently of each other H; C₆-C₁₈aryl; C₆-C₁₈aryl which is substituted by C₁-C₁₈alkyl, or C₁-C₁₈alkoxy; C₁-C₁₈alkyl; or C₁-C₁₈alkyl which is interrupted by -O-;

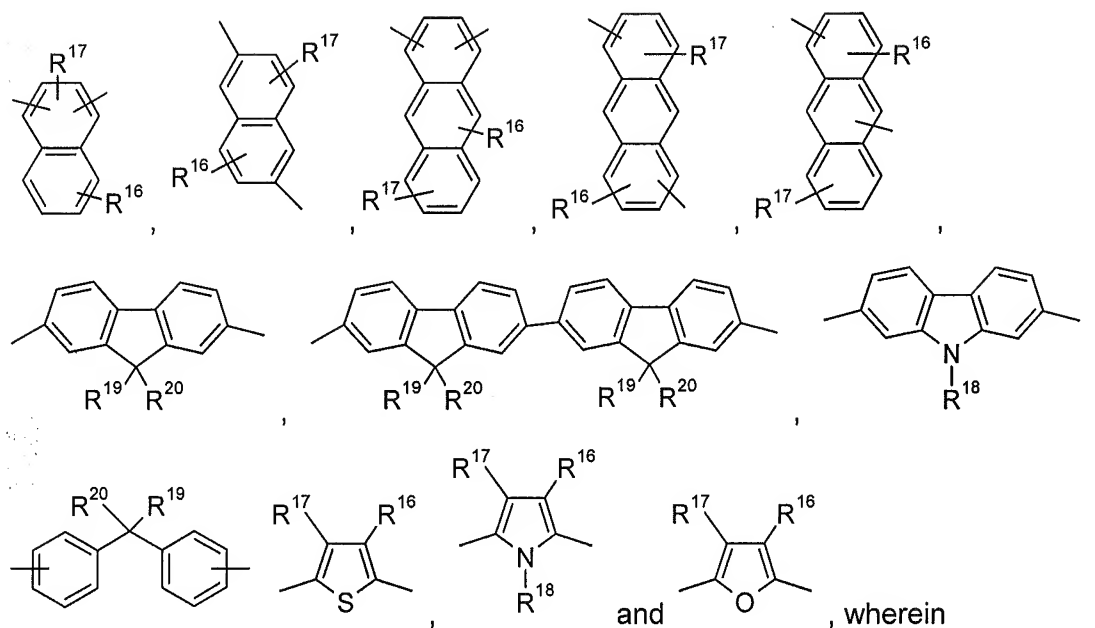
R²⁹ is H; C₆-C₁₈aryl; C₆-C₁₈aryl, which is substituted by C₁-C₁₈alkyl, or C₁-C₁₈alkoxy; C₁-C₁₈alkyl; or C₁-C₁₈alkyl which is interrupted by -O-;

R³⁰ and R³¹ are independently of each other C₁-C₁₈alkyl, C₆-C₁₈aryl, or C₆-C₁₈aryl, which is substituted by C₁-C₁₈alkyl, and

R³² is C₁-C₁₈alkyl, C₆-C₁₈aryl, or C₆-C₁₈aryl, which is substituted by C₁-C₁₈alkyl.

6. (currently amended) A co-polymer according to claim 5, wherein T is selected from the group consisting of



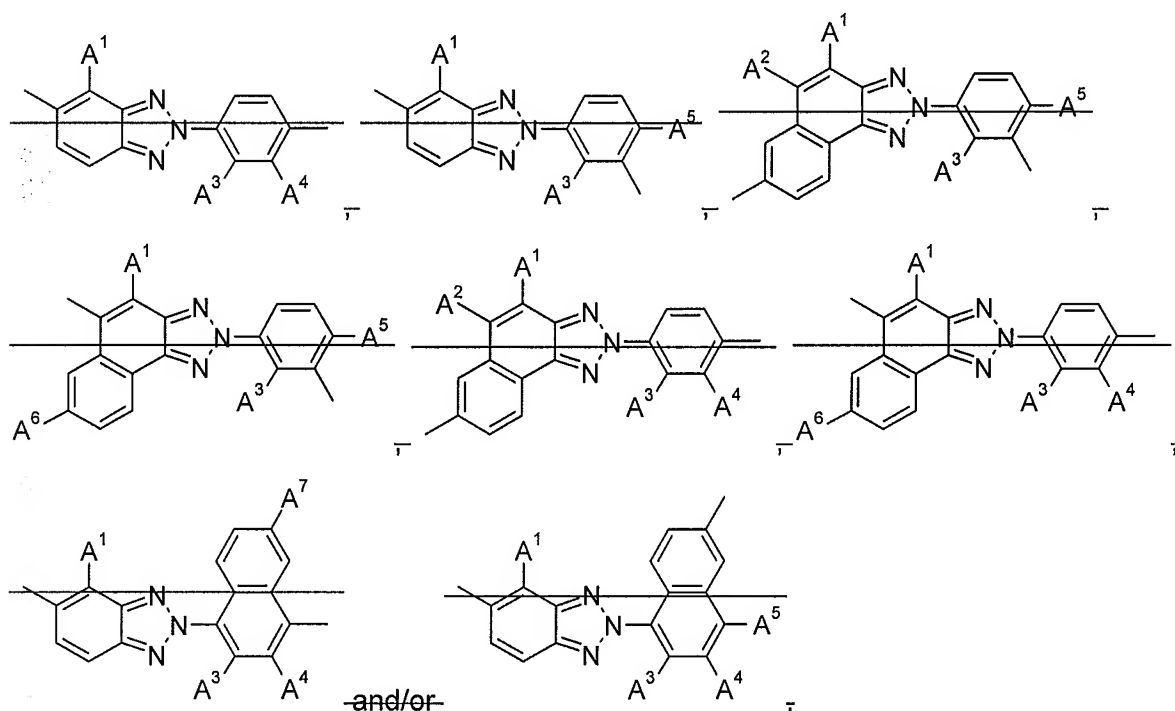


R¹⁸ is C₁-C₁₈alkyl, and

R¹⁹ and R²⁰ are independently of each other C₁-C₁₈alkyl, especially C₄-C₁₂alkyl, which can be interrupted by one or two oxygen atoms, or

R¹⁹ and R²⁰ form a five or six membered carbocyclic ring, which optionally can be substituted by C₁-C₄alkyl.

7. (currently amended) A co-polymer according claim 5, comprising a repeating unit of the formula



-and as a repeating unit T in an amount up to 99.5 mol%, wherein the sum of the first repeating unit(s) and the repeating unit(s) T co-monomer is 100 mol%,

wherein-

~~A¹ is hydrogen, or C₄-C₄₈alkyl,~~

~~A² is hydrogen, or C₄-C₄₈alkyl,~~

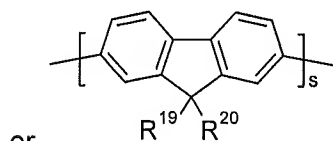
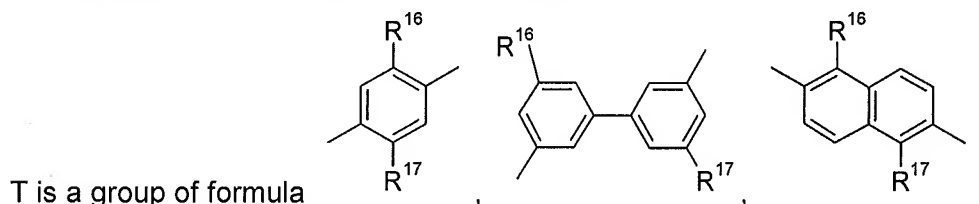
~~A³ is hydrogen, or C₄-C₄₈alkoxy, or C₄-C₄₈alkyl,~~

~~A⁴ is hydrogen, or C₄-C₄₈alkyl,~~

~~A⁵ is hydrogen, C₄-C₄₈alkyl, di(C₄-C₄₈alkyl)amino, or C₄-C₄₈alkoxy,~~

~~A⁶ is hydrogen, or C₄-C₄₈alkyl,~~

~~A⁷ is hydrogen, C₄-C₄₈alkyl or C₄-C₄₈alkoxy, and-~~



, wherein s is one or two, R¹⁶ and R¹⁷ are independently of each other C₁-C₁₈alkyl, which can be interrupted by one or two oxygen atoms, C₁-C₁₈alkoxy, which can be interrupted by one or two oxygen atoms and R¹⁹ and R²⁰ are independently of each other C₁-C₁₈alkyl, which can be interrupted by one or two oxygen atoms.

8-9. (cancelled)

10. (previously presented) An optical device or a component therefore, comprising a substrate and a polymer according to claim 5.

11. (original) An optical device according to claim 10, wherein the optical device comprises an electroluminescent device.

12. (previously presented) An optical device according to claim 11, wherein the electroluminescent device comprises

- (a) a reflective or transmissive anode
- (b) a reflective or transmissive cathode
- (c) an emissive layer comprising the polymer located between the electrodes, and optionally
- (d) a charge injecting layer for injecting positive charge carriers, and
- (e) a charge injecting layer for injecting negative charge carriers.

13-19. (cancelled).